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EB11136 - Goat Anti-PRODH (aa112-134) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: FLJ33744, HSPOX2, MGC148078, MGC148079, OTTHUMP00000196496, OTTHUMP00000196497, p53-induced gene 6 protein, PIG6, POX, PRODH1, PRODH2, proline dehydrogenase (oxidase) 1, proline dehydrogenase, mitochondrial, proline oxidase 2, proline oxidase, mitochondrial, SCZD4, TP53I6, tumor protein p53 inducible protein 6, PRODH
Official Symbol: PRODH
Accession Number(s): NP_057419.4; NP_001182155.1
Human GeneID(s): 5625
Important Comments: This antibody is expected to recognize both reported isoforms (NP_057419.4; NP_001182155.1).

Immunogen

Peptide with sequence C-EDQESIQPLLRHYR, from the internal region of the protein sequence according to NP_057419.4; NP_001182155.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

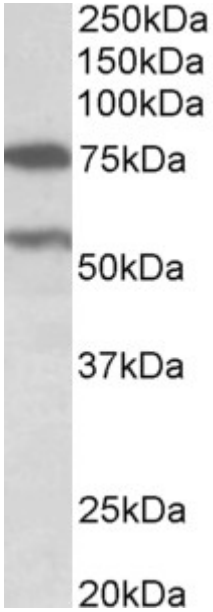
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx75+55kDa bands observed in Human Brain (Cerebellum and Substantia nigra) lysates (calculated MW of 68.0kDakDa according to NP_057419.4 and of 56.2kDa according to NP_001182155.1). Recommended concentration: 0.3-1µg/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in Western blot on Human:
Zareba I, Surazynski A, Chrusciel M, Miltyk W, Doroszko M, Rahman N, Palka J.
Functional Consequences of Intracellular Proline Levels Manipulation Affecting PRODH/POX-Deper a Novel in Vitro Cell Culture Model.
Cell Physiol Biochem. 2017 Sep 22;43(2):670-684.
PMID: 28942439



EB11136 (0.3µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.